BIOTECHNOLOGY
SYSTEMS
BRANCH

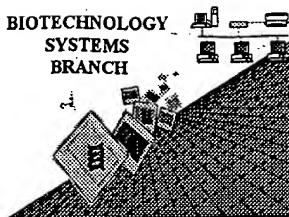# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _09/888,233_

Source: _OIPE_

Date Processed by STIC: _7/7/2001_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program
employing a logical and intuitive user-interface to check whether a sequence listing is in
compliance with format and content rules. Checker Version 3.0 works for sequence listings
generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old
rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual
Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-
compliant. Checker allows public users to check sequence listings in Computer Readable form
(CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence
listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>   <u>SUGGESTED CORRECTION</u>   SERIAL NUMBER: 09/888,233

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
Wrapped Aminos ·   was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
prevent "wrapping."

2____Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____Misaligned Amino   The numbering under each 5ᵗʰ amino acid is misaligned. Do not use tab codes between numbers;
Numbering   use space characters, instead.

4____Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
ensure your subsequent submission is saved in ASCII text.

5____Variable Length   Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules,
each n or Xaa can only represent a single residue. Please present the maximum number of each
residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0   . A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
"bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
Artificial or Unknown sequences.

7____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

·Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
(NEW RULES)   <210> sequence id number
<400> sequence id number
000

9____Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10____Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
is Artificial Sequence

11____Use of <220>   Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
"Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12____PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
"bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

AMC – Biotechnology Systems Branch – 06/04/2001

OIPE

RAW SEQUENCE LISTING   DATE: 07/07/2001
PATENT APPLICATION: US/09/888,233   TIME: 12:52:58

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Output Set: N:\CRF3\07062001\I888233.raw

Does Not Comply
Corrected Diskette Needed

P-4

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 3 <110> APPLICANT: BLAKELY, RANDY D.
 4        NASS, RICHARD
 5        MILLER, DAVID M.
 7 <120> TITLE OF INVENTION: ASSAY FOR TOXIN INDUCED NEURONAL DEGENERATION AND
 8        VIABILITY IN C. ELEGANS
10 <130> FILE REFERENCE: VBLT:007US
11 <140> CURRENT APPLICATION NUMBER: UNKNOWN
12 <141> CURRENT FILING DATE: 2001-06-22
14 <160> NUMBER OF SEQ ID NOS: 2
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ERRORED SEQUENCES

P-4

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RAW SEQUENCE LISTING   DATE: 07/07/2001
PATENT APPLICATION: US/09/888,233   TIME: 12:52:58

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E--> 202 gcgttgcagg ggggtttatg taccgtttgg acangatttc ccgggttacc ctgctggccc 9540
E--> 203 aagaactaat tcccgcnang aaacctgtc catcctccgc ccaactctct cacgcggggt 9600
E--> 204 ggtgccacct gccctaagtg gatgtggctt gtacancac ttttgagga agcagttgtg 9660
205 atggttatgt ctaaactttc tttaacagtg gctgattttg ctttatataa attttgttct 9720
206 ttattaactg agtataaaca atacaagccc aggcttggtg gctcatgcct gtcatctcag 9780
207 cactttggga ggctgaggca ggaggatcgc ttgagaccag gagttcaaaa ccagccttgg 9840
208 caacaatagt cagacccctgt ctctacaaga aaacaacaac aacaacaaaa aaacacacac 9900
209 aaaaataact tagccggtgc tgtggtgcac acctgtagtc tcagctgctc aggaggctga 9960
210 ggtgcaagga tcacttgaac ctaggaggtt gaggcagtga gttgtaatca caactgtatt 10020
211 ccatcctggg tgacagagcg agacctcatg ttaaaaaaga aaaaaaaag aaaaagaat 10080
212 acagatgaac agtcatgaag acattattga atgctcttag aagattgtaa aattgctctc 10140
213 tggaagtgag gaatggaaggtg gaagtgatat ccatgcattg ttagtagaaa gccacgctag 10200
214 agctcacaca gccttgcact ttgataggag tggggagggg tgcagggaa ggaggagcaa 10260
215 accagagtgt ctgtcttgag gcctccatgg gccagtgccc cagccctgtg gtgagggctg 10320
216 gcattcccag ctcccgtgcc ccagctgtac catctccagg cgtgagaagc acccatcctt 10380
217 tcccagagga atgcccgtga atgcttcggg gtctgccatc cgcaacaggt atgtccctag 10440
218 ccctggctga tgaattgttg cgttcctgtt gtgtgtttat ttttcatatt ggctgaagac 10500
```

*see item 9
on Error
Summary
Sheet*

RAW SEQUENCE LISTING   DATE: 07/07/2001
PATENT APPLICATION: US/09/888,233   TIME: 12:52:58

Input Set : A:\Vblt007.app
Output Set: N:\CRF3\07062001\I888233.raw

219 caagagggaa gaagcacaga attctcaact cccagtgtgc ccatgagtaa gagcaaatgc 10560
220 tccgtgggac tcatgtcttc cgtggtggcc ccggctaagg agcccaatgc cgtgggcccg 10620
221 aaggaggtgg agctcatcct tgtcaaggag cagaacggag tgcagttcac cagttccacc 10680
222 ttcaccaacc cgcggcagag ccccgtggag gcccaggatc gggagacctg gggcaagaag 10740
223 atcgatttct cctgtccgtc attggctttg ctgtggacct ggccaacgtc tggcggttcc 10800
224 cctacctgtg ctacaaaaat ggtggcggta atcccatctc agcttccctg a   10851

VERIFICATION SUMMARY   DATE: 07/07/2001
PATENT APPLICATION: **US/09/888,233**   TIME: 12:52:59

Input Set : **A:\Vblt007.app**
Output Set: **N:\CRF3\07062001\I888233.raw**

L:11 M:283 W: Missing Blank Line separator, <140> field identifier
L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:202 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2
M:340 Repeated in SeqNo=2